

Appl. No. 10/064,747
Amdt. dated June 6, 2006
Reply to Office action of May 15, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

- 1 (currently amended): A method for handling timers in a wireless communication system,
5 the method comprising:
starting a Timer_Poll_Periodic timer for a Radio Link Control Acknowledged Mode
(RLC AM) entity;
performing a reset procedure for the RLC AM entity; and
restarting the Timer_Poll_Periodic timer in response to the
10 Timer_Poll_Periodic timer expiring prior to completion of the reset procedure.
- 2 (original): The method of claim 1 further comprising restarting the Timer_Poll_Periodic
timer in response to the reset procedure.
- 15 3 (original): The method of claim 1 further comprising maintaining a value of the
Timer_Poll_Periodic timer and maintaining operation of the Timer_Poll_Periodic
timer in response to the reset procedure.
- 4 (original): The method of claim 1 further comprising:
20 re-establishing the RLC AM entity; and
restarting the Timer_Poll_Periodic timer after re-establishment of the RLC AM
entity.
- 5 (original): The method of claim 1 further comprising:
25 re-establishing the RLC AM entity; and
maintaining a value of the Timer_Poll_Periodic timer and maintaining operation of
the Timer_Poll_Periodic timer after re-establishment of the RLC AM entity.

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6 (currently amended): The method of claim 1 further comprising:

starting a Timer_Status_Periodic timer; and

restarting the Timer_Status_Periodic timer in response to the

5 Timer_Status_Periodic timer expiring prior to the completion of the reset procedure.

7 (original): The method of claim 6 further comprising restarting the

10 Timer_Status_Periodic timer in response to the reset procedure.

8 (original): The method of claim 6 further comprising maintaining a value of the

Timer_Status_Periodic timer and maintaining operation of the

Timer_Status_Periodic timer in response to the reset procedure.

15 9 (original): The method of claim 6 further comprising:

re-establishing the RLC AM entity; and

restarting the Timer_Status_Periodic timer after re-establishment of the RLC AM entity.

20 10 (original): The method of claim 6 further comprising:

re-establishing the RLC AM entity; and

maintaining a value of the Timer_Status_Periodic timer and maintaining operation of the Timer_Status_Periodic timer after re-establishment of the RLC AM entity.

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11 (original): The method of claim 1 further comprising:

receiving a Service Data Unit (SDU) and starting a Timer_Discard timer associated with the SDU prior to the reset procedure;

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- maintaining a value of the Timer_Discard timer if the Timer_Discard timer expires prior to the completion of the reset procedure;
stopping the Timer_Discard timer if the SDU is discarded in response to the reset procedure; and
5 restarting the Timer_Discard timer, or maintaining a value of the Timer_Discard timer and maintaining operation of the Timer_Discard timer if the SDU is not discarded in response to the reset procedure.
- 12 (original): The method of claim 11 further comprising stopping the Timer_Discard
10 timer if the SDU is discarded and if a condition for triggering the reset procedure is detected.
- 13 (original): The method of claim 11 further comprising:
re-establishing the RLC AM entity; and
15 stopping the Timer_Discard timer after re-establishment of the RLC AM entity.
- 14 (currently amended): The method of claim 1 further comprising:
starting a Timer_Poll timer;
maintaining a value of the ~~Timer_Polltimer~~ Timer_Poll timer if the ~~Timer_Polltimer~~
20 Timer_Poll timer expires prior to the completion of the reset procedure; and
stopping the ~~Timer_Polltimer~~ Timer_Poll timer in response to the reset procedure.
- 15 (currently amended): The method of claim 14 further comprising stopping the
~~Timer_Polltimer~~ Timer_Poll timer if a condition for triggering the reset procedure is
25 detected.
- 16 (currently amended): The method of claim 14 further comprising:
re-establishing the RLC AM entity; and

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stopping the ~~Timer_Polltimer~~ Timer_Poll timer after re-establishment of the RLC
AM entity.

17 (currently amended): The method of claim 1 further comprising:

- 5 starting a Timer_Poll_Prohibit timer; and
 stopping the ~~Timer_Poll_Prohibittimer~~ Timer_Poll_Prohibit timer in response to the
 reset procedure.

18 (currently amended): The method of claim 17 further comprising stopping the

- 10 ~~Timer_Poll_Prohibittimer~~ Timer_Poll_Prohibit timer if a condition for triggering
 the reset procedure is detected.

19 (currently amended): The method of claim 17 further comprising:

- re-establishing the RLC AM entity; and
15 stopping the ~~Timer_Poll_Prohibittimer~~ Timer_Poll_Prohibit timer after
 re-establishment of the RLC AM entity.

20 (currently amended): The method of claim 1 further comprising:

- starting a Timer_Status_Prohibit timer; and
20 stopping the ~~Timer_Status_Prohibittimer~~ Timer_Status_Prohibit timer in response
 to the reset procedure.

21 (currently amended): The method of claim 20 further comprising stopping the

- 25 ~~Timer_Status_Prohibittimer~~ Timer_Status_Prohibit timer if a condition for
 triggering the reset procedure is detected.

22 (currently amended): The method of claim 20 further comprising:

- re-establishing the RLC AM entity; and

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stopping the ~~Timer_Status_Prohibit~~ timer after
re-establishment of the RLC AM entity.

23 (currently amended): The method of claim 1 further comprising:

- 5 starting a Timer_EPC timer prior to the reset procedure;
starting an ~~Estimated~~ an Estimated PDU Counter (EPC) mechanism prior to the reset
procedure; and
stopping ~~the EPC~~ the EPC mechanism in response to the Timer_EPC timer expiring
prior to the completion of the reset procedure.

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24 (original): The method of claim 23 further comprising stopping the EPC mechanism in
response to the reset procedure, or when a condition for triggering the reset
procedure is detected.

15 25 (original): The method of claim 23 further comprising:

- re-establishing the RLC AM entity; and
stopping the EPC mechanism after re-establishment of the RLC AM entity.

26 (original): The method of claim 1 further comprising:

- 20 starting a Timer_RST timer;
re-establishing the RLC AM entity; and
stopping the Timer_RST timer after re-establishment of the RLC AM entity.

27 (original): The method of claim 1 further comprising:

- 25 starting a Timer_MRW timer;
re-establishing the RLC AM entity; and
stopping the Timer_MRW timer after re-establishment of the RLC AM entity.